LIST OF PRIOR SUBMISSIONS

Paper Number	Submission
1	Amendment Filed January 27, 2005

REMARKS

§ 102 Rejections

In the Office Action, claims 1-5, 7-9, 12, 13, 15-18 and 21 were rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent 6,671,260 to Engstrand, hereinafter "Engstrand."

The Applicant respectfully submits that Engstrand does not anticipate the Applicant's claims 1-5, 7-9, 12, 13, 15-18 and 21.

As noted in paper number 1 on pages 13-14, Engstrand fails to teach or suggest the Applicant's claimed ***second plurality of channels*** for transferring communications between a wireless communication unit and a remote wireless communication unit and, subsequently, scheduling the second plurality of channels according to ***a predetermined cycle*** which is ***out of phase*** with a first predetermined cycle associated with a first plurality of channels.

The scheme taught by Engstrand relates to transmitting data between a central node and a plurality of terminals via a radio link using time slots. In the downstream direction (i.e., from the central node to the terminals), time slots are used for polling the terminals and transmitting data from the central node to the terminals. In the upstream direction (i.e., from the terminals to the central node), time slots are used for sending requests and data from the terminals to the central node. See Engstrand, Abstract, Fig. 1 and column 4, lines 20-31.

Time slots for transmitting data upstream are allocated based on need. When a terminal has data to send to the central node it sends a request to the central node to request a time slot. The central node responds to the request with a permit which indicates a time slot that the terminal may use to transmit the data to the central node. The terminal then transmits the data to the central node in the allocated time slot. See Engstrand, column 3, lines 40-52.

Engstrand fails to teach the Applicant's claimed ***second plurality of channels***. In the Office Action, the Examiner equates Engstrand's downstream channels with the Applicant's

claimed ***second plurality of channels***. The Applicant respectfully submits that this equivalence is incorrect.

First, Engstrand transmits data downstream using a single wireless channel which is divided into downstream time slots. Each time slot is not dedicated to a particular terminal. Rather, any terminal may transmit in any single time slot as long as it has been given permission to transmit in that time slot.

In sharp contrast, the Applicant claims a plurality of channels wherein each channel is dedicated for transferring communications from a particular remote communication unit (e.g., terminal) to a communication unit (e.g., a central node). Thus, in the Applicant's claimed invention, only one communication unit transmits in each channel. No two communication units transmit in the same channel.

Second, in Engstrand, the time slots are allocated on an as needed basis meaning that as each terminal has data to send, it is allocated a time slot by the central node in order to send the data. The Applicant, on the other hand, claims channels which as noted above are dedicated to transmitting data from a particular remote communication unit to a communication unit. Each remote communication unit's channel is always allocated for transmitting data downstream from the remote communication unit to the communication unit. The channels are not allocated on an as needed basis.

For reasons set forth above, the Applicant submits that claims 1-5, 7-9, 12, 13, 15-18 and 21 are not anticipated by Engstrand and therefore request that the rejection of these claims be withdrawn.

§ 103 Rejections

In the Office Action, claims 6, 10, 11, 14, 19 and 20 were rejected under 35 U.S.C. § 103 as being unpatentable over Engstrand and claims 22 and 23 were rejected under 35 U.S.C. § 103 as being unpatentable over Engstrand in view of U.S. Patent 6,788,689 to Turner, *et al.*, hereinafter "Turner."

Turner discloses a technique for routing packets through a packet switching system so as to achieve a bounded delay. Both Turner and Engstrand fail to disclose ***a second plurality of channels*** for transferring communications between a wireless communication unit and a remote

wireless communication unit and scheduling the second plurality of channels according to ***a predetermined cycle*** which is ***out of phase*** with a predetermined cycle associated with a first plurality of channels.

For reasons set forth above, the Applicant respectfully submits that Engstrand and Turner taken either individually or in combination do not teach or suggest the Applicant's claimed invention. Therefore, the Applicant respectfully requests that the above rejections to claims 6, 10, 11, 14, 19, 20, 22 and 23 be withdrawn.

CONCLUSION

In view of the above remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned.

Respectfully submitted,

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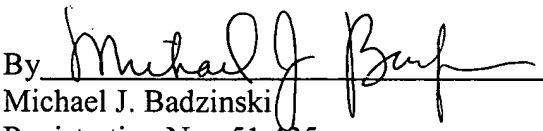
By 

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Concord, MA 01742-9133
Dated: 10/31/05